(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



. | COLD | C

(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/051224 A3

(51) International Patent Classification⁷: A61B 29/00

(21) International Application Number:

PCT/IL2004/000456

(22) International Filing Date: 27 May 2004 (27.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PCT/IL03/00995

25 November 2003 (25.11.2003) II

(71) Applicant (for all designated States except US): F.D. CARDIO LTD. [IL/IL]; P.O. Box 15054, 31905 Haifa (IL).

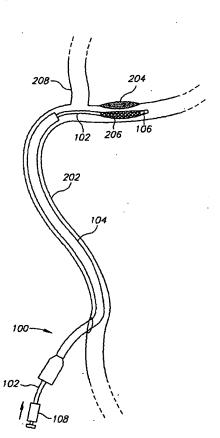
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WACHSMAN,

Oded [IL/IL]; 15 Yoav Street, 69081 Tel-Aviv (IL). CHERMONI, Israel [IL/IL]; 20 Shoham Street, 34679 Haifa (IL).

- (74) Agents: FENSTER, Paul et al.; Fenster & Company, Intellectual Property 2002 LTD., P.O. Box 10256, 49002 Petach Tikva (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: STENT POSITIONING USING INFLATION TUBE



(57) Abstract: A catheter adapted for performing a task at a location inside a lumen, the catheter comprising: a) an outer sheath; b) a balloon capable of inflating inside the lumen when the catheter reaches the location; and c) a balloon inflation tube, which is attached to the balloon and carries a fluid which causes the inflating of the balloon, said balloon inflation tube running through the outer sheath, movable relative to the outer sheath, and stiff enough so that it can be used to push and pull the balloon relative to the outer sheath.



WO 2005/051224 A3



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 10 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.